

Classifying Figures on a Coordinate Grid

Our Learning Goal for Today:

To verify, using algebraic techniques and analytic geometry, some characteristics of geometric figures

Mar 2-7:07 AM

Before Lesson	Statement	After Lesson
Agree/Disagree	1. All rectangles are parallelograms	Agree/Disagree
Agree/Disagree	2. If a pair of opposite sides of a quadrilateral are parallel then it is a parallelogram	Agree/Disagree
Agree/Disagree	3. If the slopes of two segments are opposite, e.g. 2 and -2, then the segments are perpendicular	Agree/Disagree
Agree/Disagree	4. Parallel line segments have the same slope	Agree/Disagree
Agree/Disagree	5. Isosceles triangles have three sides equal	Agree/Disagree
Agree/Disagree	6. A regular polygon is one where all the interior angles are less than 90 degrees.	Agree/Disagree
Agree/Disagree	7. The four interior angles in a rhombus are the same	Agree/Disagree

Mar 1-10:27 AM

Is there more than one way to find the slope, length and midpoint of this line segment?

SLOPE

LENGTH

MIDPOINT

Aug 6 - 2:30 PM

Is there more than one way to find the slope, length and midpoint of this line segment?

SLOPE

LENGTH

MIDPOINT

Feb 28-9:52 AM

Is there more than one way to find the slope, length and midpoint of this line segment?

SLOPE

LENGTH

MIDPOINT

Feb 28-9:52 AM

PROPERTIES OF TRIANGLES

RIGHT TRIANGLE
RIGHT ISOSCELES TRIANGLE
SCALENE TRIANGLE

ISOSCELES TRIANGLE
EQUILATERAL TRIANGLE

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Mar 3-10:17 PM

Determine if the triangle is isosceles

SLOPE
LENGTH
MIDPOINT

Feb 28-10:25 AM

PROPERTIES OF QUADRILATERALS

ISOSCELES TRAPEZOID
TRAPEZOID
RECTANGLE
PARALLELOGRAM
SQUARE
KITE
RHOMBUS
OTHER

QUADRILATERAL

- PARALLELOGRAM
 - RECTANGLE
 - SQUARE
 - RHOMBUS
 - SQUARE
- TRAPEZOID
- KITE
- OTHER

Feb 28-9:39 AM

Determine whether or not the quadrilateral is a parallelogram

SLOPE
LENGTH
MIDPOINT

Feb 28-10:28 AM

Verify that the quadrilateral is a square

SLOPE
LENGTH
MIDPOINT

Feb 28-10:30 AM

Oct 1-7:20 AM